

REGION V

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US EPA RECORDS CENTER REGION 5



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St. Louis Park Working Group Meeting
Summary Report

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File

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I. Purpose

These meetings are held monthly between various state and local agencies to update each agency as to the ongoing activities relative to the groundwater contamination underlying St. Louis Park, Minnesota. The next meeting is scheduled for March 25, 1981.

II. Date, Time and Place

February 19, 1981
9:30 a.m. - 2:00 p.m.
Minnesota Pollution Control Agency
Roseville, Minnesota 55105

III. Attendees

Lovell Richie	-	MPCA
Steve Shakman	-	MPCA - LA
Rick Ferguson	-	MPCA
David Giese	-	MDH
Mike Convey	-	MDH
John Erdmann	-	Hickock
Sarah Tufford	-	MH DIR
B. Strauss	-	Isaac Walton League
Dick Hoppy	-	St. Louis Park
Budley Moylan	-	Housing & Redevelopment Authority
Don Albin	-	U.S.G.S.
Melanie Toepfer	-	U.S. EPA

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IV. Discussion

A. Review of previous minutes

J. Erdmann informed the attendees of an error in the previous minutes. Analytic results were erroneously reported at the last meeting. Omit benzo(k)fluoranthene and insert dibenzo(a,h)anthracene in its place.

B. Review of recent analytic data

M. Convery presented the most recently analyzed water samples from the water quality monitoring program. (See Attachments 1-3). Hopkins municipal Well No. 3 was closed on February 18, 1981, after analytic data showed PAH contamination. The following PAHs were identified at concentrations above detectable:

Date collected 1/30/81	Acenaphthene	4300 ppt
	Anthracene	13 ppt
	Phenanthrene	230 ppt
	Fluoranthene	147 ppt
	Benzo(k)fluorethene	2.1 ppt

Hopkins Well No. 3 was drilled in 1943. It is a Prairie du Chien-Jordan well and is 475 feet deep. The design pumpage rate is 1250 gpm. The well was closed for over one year and reopened September 1980. This well was used as a standby supply well.

C. Update of well abandonment efforts

See attachment 4.

The Monitor Drill well is expected to be 1000 feet in depth. This well casing was televised on 2/18/81. The evaluation only proceeded through 138 feet because the well bore was filled with St. Peter sand contaminated with creosote materials.

Another outstanding well is the Pet Hospital Well (Platteville) which is also contaminated. Before this well can be abandoned the Pet Hospital must be connected to the SLP water system.

D. Update of the Hickock Studies

The final report from Hickock is due in September 1981. Two work products in draft form are to be submitted to MDH--M. Convery--by February 27. These two reports will include:

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1) a thorough review of the available information, and
 2) a review of alternative methods of soil removal or containment. This review will include excavation of contaminated soils, with landfarming, landfilling or as an asphalt additive as mechanisms of disposal. The report will also include an assessment of alternative remedies such as: chemical fixation, vaulting, the J.S.U.S.-California study of in site microbiological degradation, grout curtains, barrier wells and incineration. Additionally, two other reports are being developed. These are: 3) an assessment of the status of hydrogeologic modeling, and 4) a conceptual analysis of gradient control wells.

J. Erdmann said that the hydrogen peroxide/ultra violet treatment final testing program is underway at present. The carbon adsorption study has been completed, but the data has not been completely analyzed.

Coraghty and Hickock are meeting this week (2/23/81) to discuss the conceptual submittal for a well gradient program in St. Louis Park.

E. Superfund

Rick Ferguson, Mike Convery and John Erdmann prepared the Superfund proposal which was submitted to HQ. The three topics to be funded for engineering plans and specifications are:

- (1) W-23, W-105, and a supporting relief well
- (2) Well abandonment program
- (3) W-15 water treatment, gradient control and barrier well

The well-15 program will include a 10-day pilot test. I suggested that the program be amended slightly to include monitoring and assessment--hydrologically, physically, and chemically--of the pilot program.

F. Next meeting

The next meeting is scheduled for March 26, 1981, at 9:00 a.m. in the St. Louis Park offices.

To do: (1) send copy of coal tar RCRA background document, HQ submittal, and chemical fixation information to MPCA and Erdmann.

- (2) get copy of Hickock reports after 2/27/81.

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